

CLAIMS

1. An optical pickup for applying optical beams to an optical disk, comprising:

a collimate lens for transferring optical beams outputted from a light source to parallel light; and

an objective lens for collecting the optical beams transferred to parallel light by the collimate lens and applying the beams to the optical disk,

characterized in that mounting angles of the collimate lens and the objective lens are adjusted so that astigmatisms of the collimate lens and the objective lens may be offset by each other.

2. The optical pickup according to claim 1, characterized in that mounting angles of the collimate lens and the objective lens are adjusted so that the a 0° direction astigmatism of the collimate lens and a 0° direction astigmatism of the objective lens may be offset and a 45° direction astigmatism of the collimate lens and a 45° direction astigmatism of the objective lens may be offset.

3. An optical disk apparatus for gaining access to an optical disk, comprising:

a collimate lens for transferring optical beams outputted from a light source to parallel light; and

an objective lens for collecting the optical beams transferred to parallel light by the collimate lens and applying beams to the optical disk,

characterized in that mounting angles of the collimate lens and the objective lens are adjusted so that the astigmatisms of the collimate lens and the objective lens may be offset by each other.

4. A manufacturing method for an optical pickup for applying optical beams to an optical disk, characterized by the following steps of:

measuring of an astigmatism of a collimate lens for transferring optical beams outputted from a light source to parallel light and an astigmatism of an objective lens for collecting the optical beams transferred to the parallel light by the collimate lens and applying the beams to the optical disk, and

adjusting of mounting angles of the collimate lens and the objective lens so that astigmatisms of the collimate lens and the objective lens themselves may be offset by each other, based on the measured astigmatism of each of the collimate lens and the objective lens in mounting the collimate lens and the objective lens on the optical pickup.